

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121919\
 Data File : BF118293.D
 Acq On : 19 Dec 2019 21:44
 Operator : JU
 Sample : K6359-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 20 02:15:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 06 17:34:43 2019
 Response via : Initial Calibration

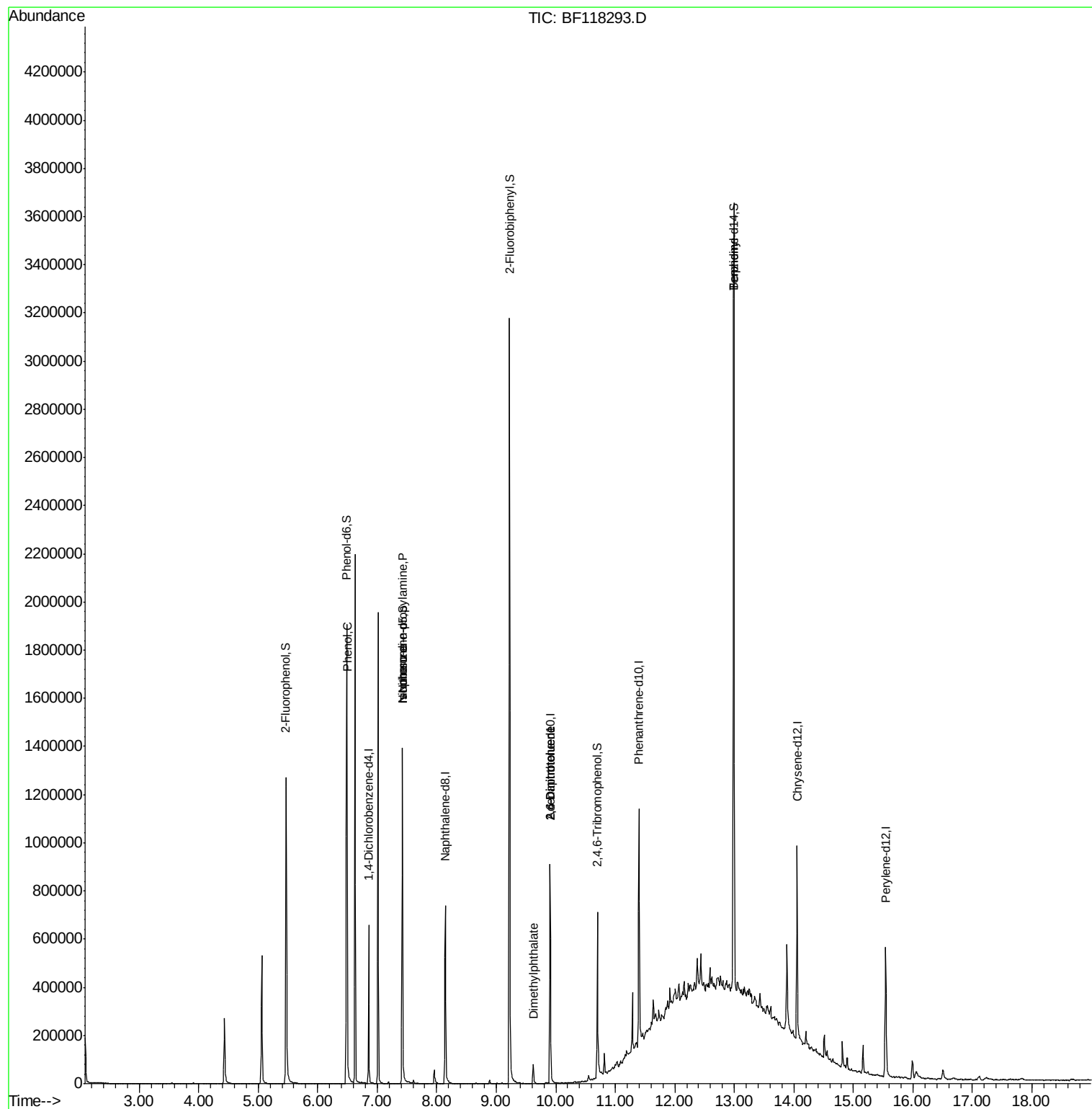
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	93650	20.00	ng	-0.01
21) Naphthalene-d8	8.15	136	362383	20.00	ng	-0.01
39) Acenaphthene-d10	9.90	164	194176	20.00	ng	-0.02
64) Phenanthrene-d10	11.40	188	367890	20.00	ng	-0.01
76) Chrysene-d12	14.05	240	273274	20.00	ng	-0.02
87) Perylene-d12	15.54	264	260916	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	426082	79.69	ng	0.00
7) Phenol-d6	6.49	99	688615	106.48	ng	-0.01
23) Nitrobenzene-d5	7.42	82	440824	68.44	ng	-0.02
42) 2,4,6-Tribromophenol	10.70	330	105808	44.86	ng	-0.02
45) 2-Fluorobiphenyl	9.22	172	945496	74.09	ng	-0.02
79) Terphenyl-d14	12.99	244	1170497	73.66	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.49	77	958	Below Cal	Qvalue	# 1
10) Phenol	6.50	94	15542	2.107	ng	79
19) n-Nitroso-di-n-propylamine	7.42	70	58800	14.962	ng	# 76
25) Isophorone	7.42	82	440820	40.369	ng	# 62
50) Dimethylphthalate	9.62	163	49320	3.439	ng	98
51) 2,6-Dinitrotoluene	9.90	165	24027	7.704	ng	# 27
57) 2,4-Dinitrotoluene	9.90	165	24027	5.772	ng	# 25
77) Benzidine	12.99	184	16201	2.252	ng	95

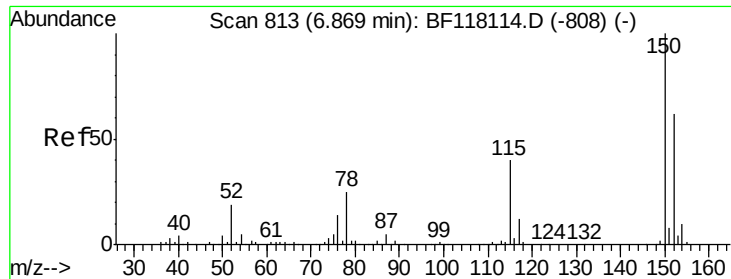
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 20 Sample Multiplier: 1

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ClientSampleId :

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QLast Update : Fri Dec 06 17:34:43 2019
Response via : Initial Calibration



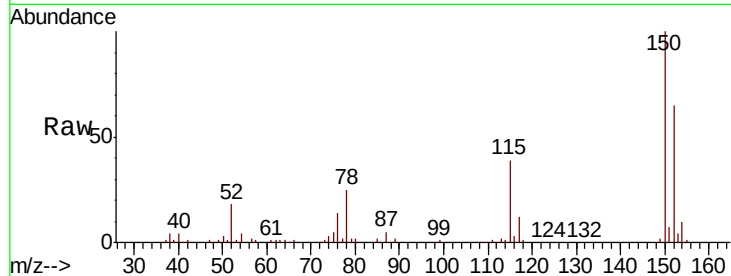


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF118293.D
Acq: 19 Dec 2019 21:44

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	128.3	192.5
115	60.7	51.1	76.7

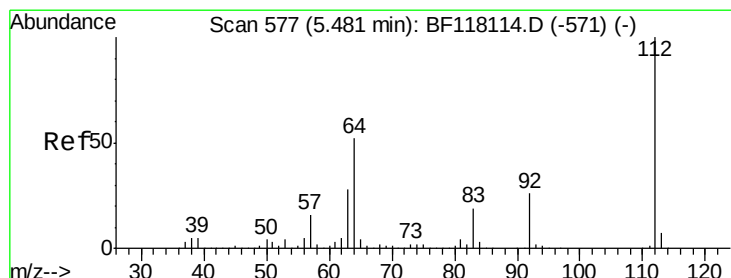
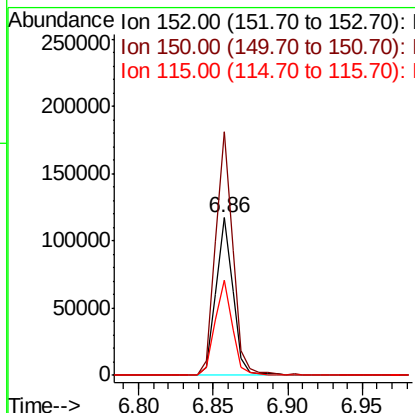
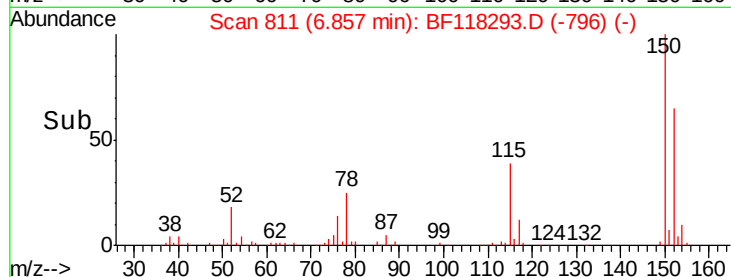


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

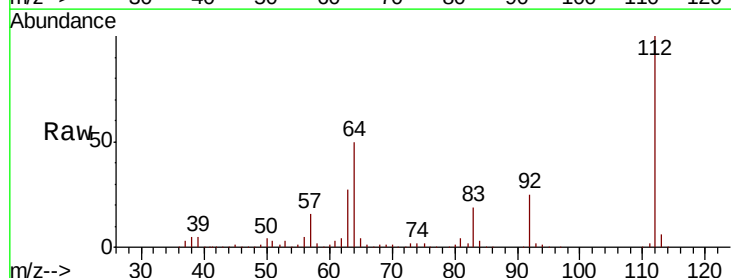
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 79.687 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF118293.D
Acq: 19 Dec 2019 21:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	49.6	41.3	61.9
63	27.2	22.4	33.6

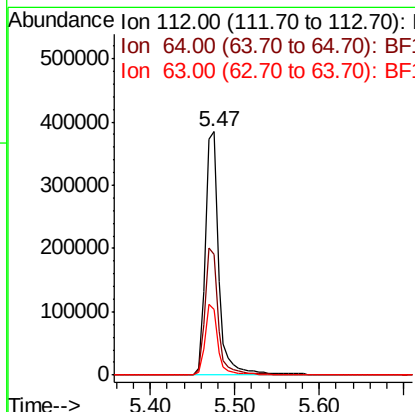
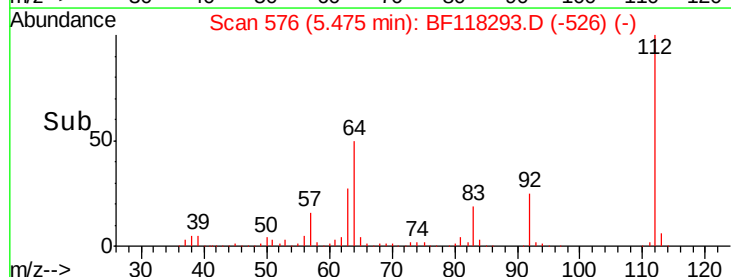


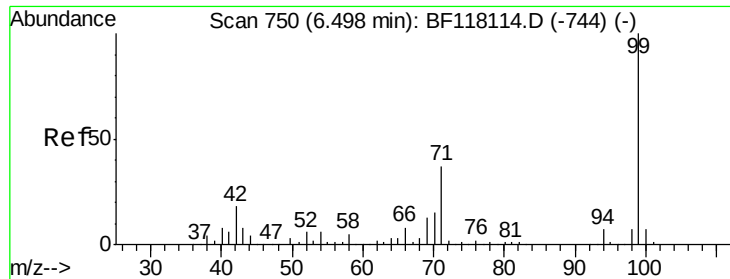
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 106.476 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF118293.D

Acq: 19 Dec 2019 21:44

Instrument :

BNA_F

ClientSampled :

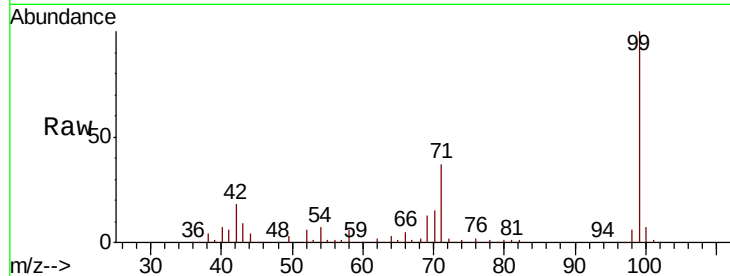
Tot Ion: 99 Resp: 688615

Ion Ratio Lower Upper

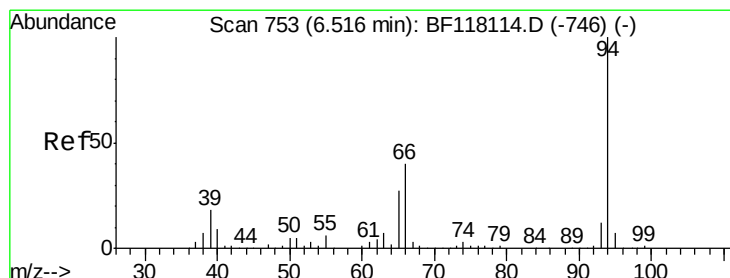
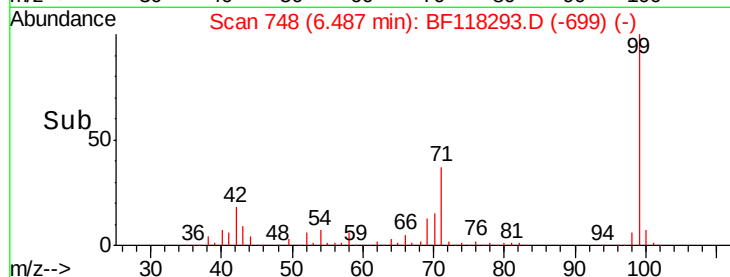
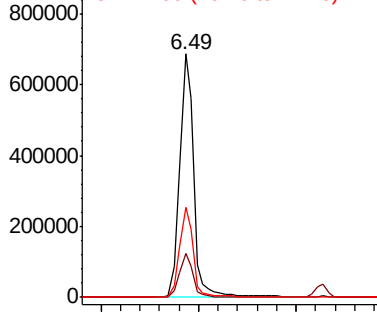
99 100

42 17.8 14.1 21.1

71 37.0 29.7 44.5



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.107 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.02 min

Lab File: BF118293.D

Acq: 19 Dec 2019 21:44

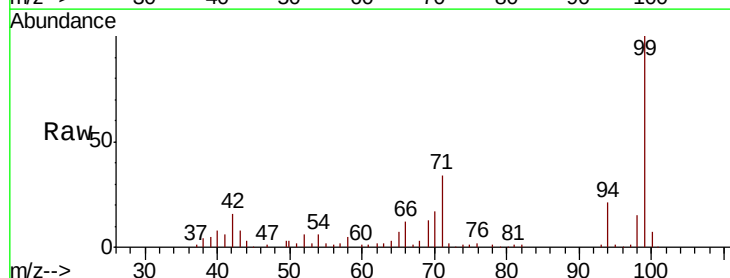
Tgt Ion: 94 Resp: 15542

Ion Ratio Lower Upper

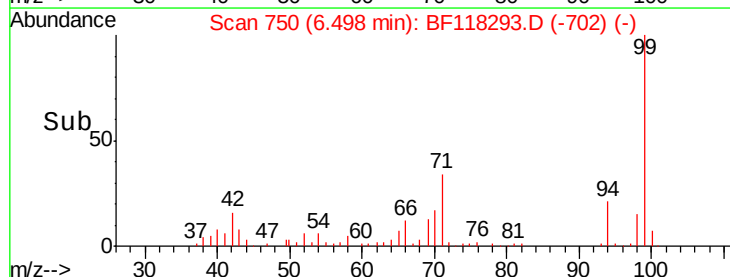
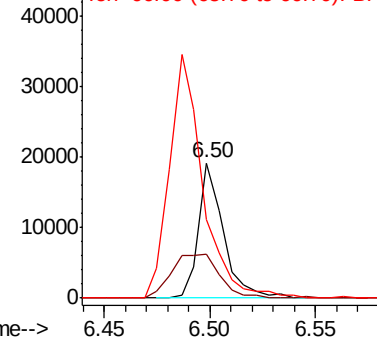
94 100

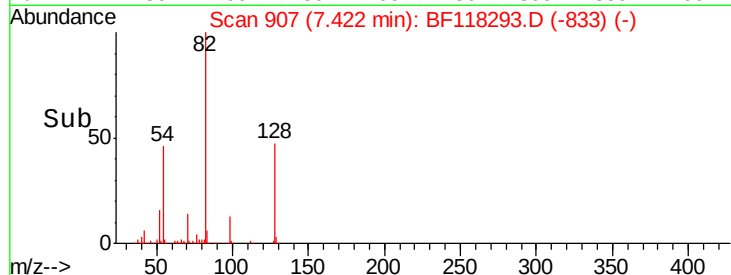
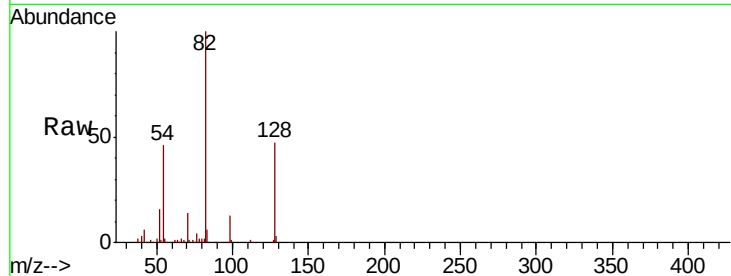
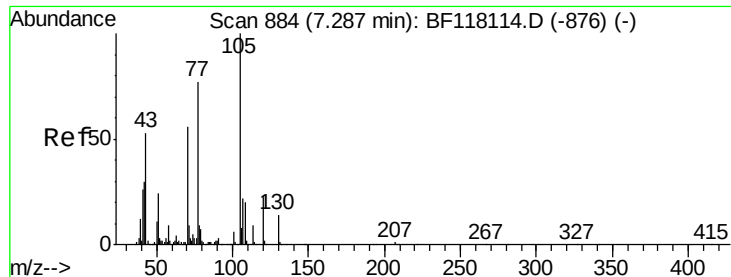
65 32.6 7.3 47.3

66 58.1 20.2 60.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

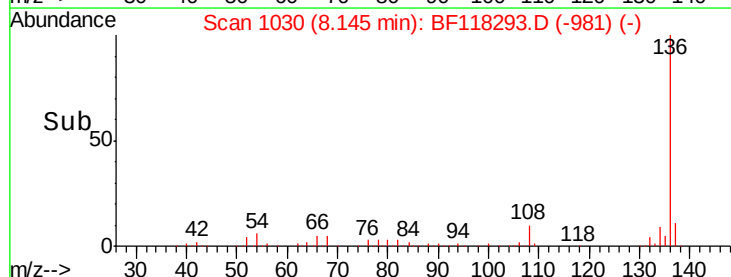
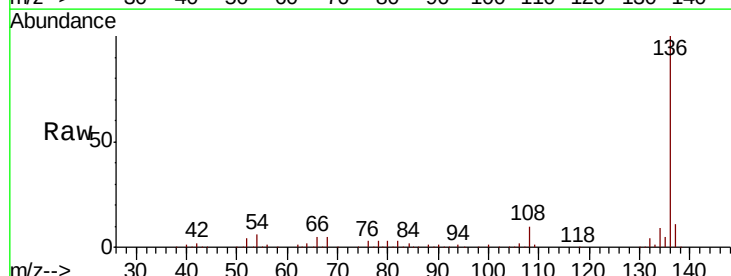
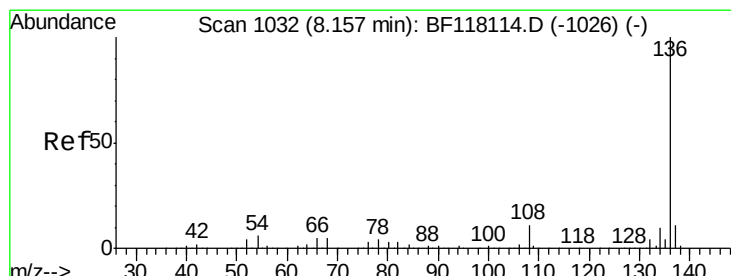
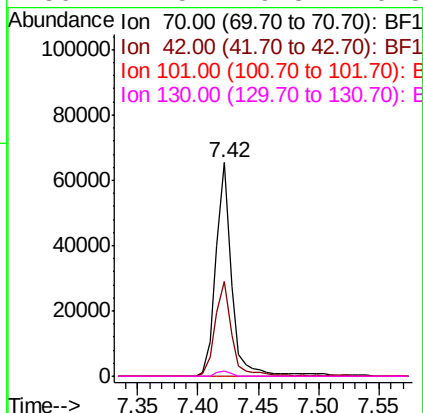




#19
n-Nitroso-di-n-propylamine
Concen: 14.962 ng
RT: 7.42 min Scan# 907
Delta R.T. 0.14 min
Lab File: BF118293.D
Acq: 19 Dec 2019 21:44

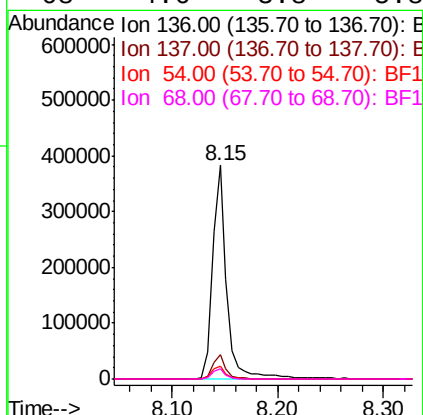
Instrument :
BNA_F
ClientSampleId :

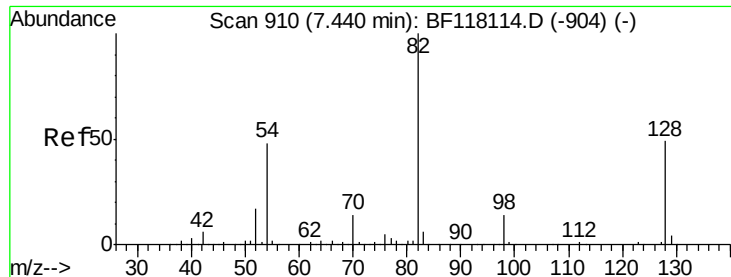
Tot Ion: 70 Resp: 58800
Ion Ratio Lower Upper
70 100
42 44.1 43.2 64.8
101 0.0 8.1 12.1#
130 2.5 19.8 29.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF118293.D
Acq: 19 Dec 2019 21:44

Tgt Ion: 136 Resp: 362383
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.6
54 5.9 5.0 7.6
68 4.6 3.8 5.8

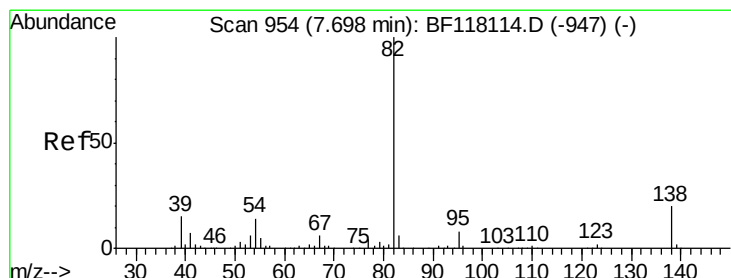
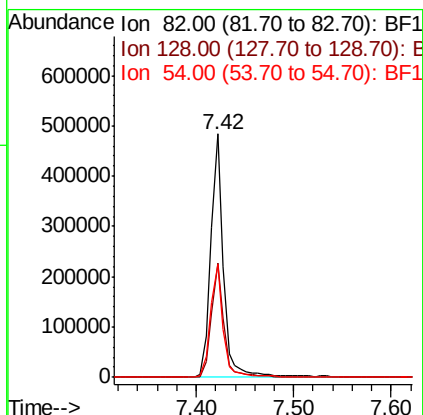
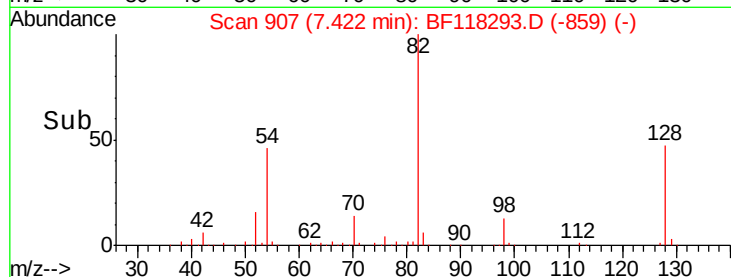
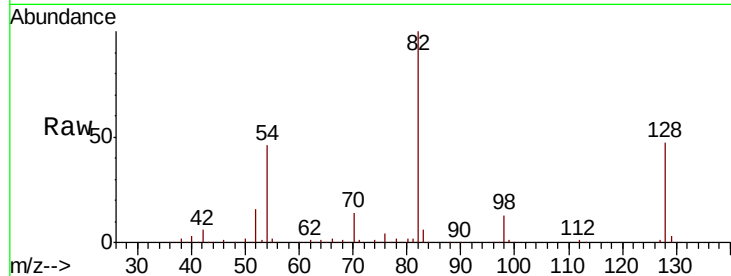




#23
Nitrobenzene-d5
Concen: 68.435 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.02 min
Lab File: BF118293.D
Acq: 19 Dec 2019 21:44

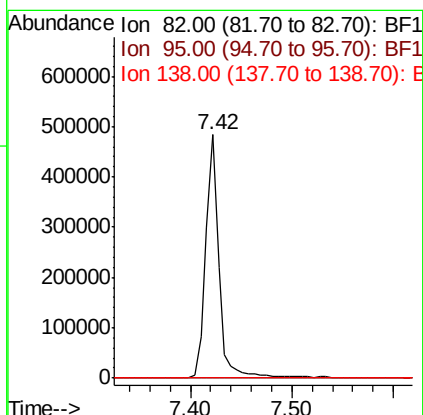
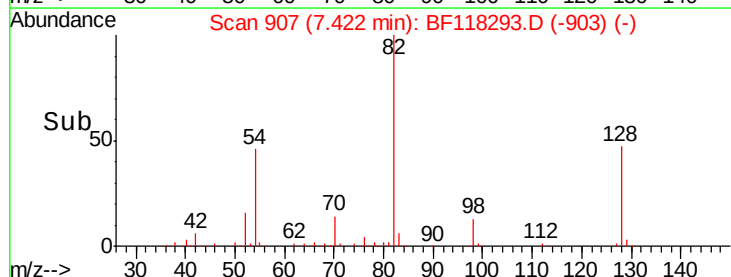
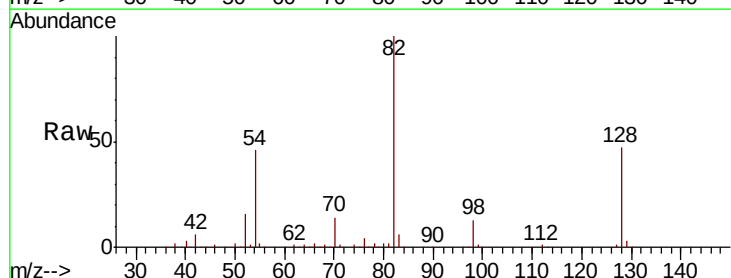
Instrument :
BNA_F
ClientSampleId :

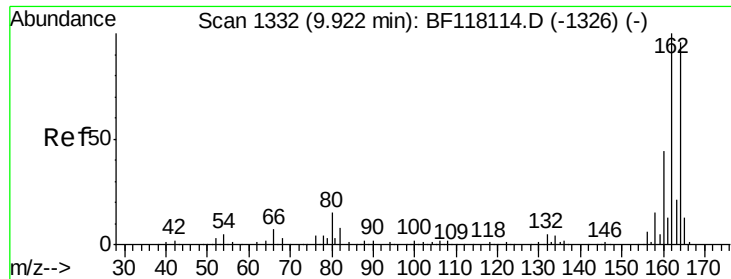
Tot Ion: 82 Resp: 440824
Ion Ratio Lower Upper
82 100
128 47.0 39.1 58.7
54 46.2 38.2 57.2



#25
Isophorone
Concen: 40.369 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.28 min
Lab File: BF118293.D
Acq: 19 Dec 2019 21:44

Tgt Ion: 82 Resp: 440820
Ion Ratio Lower Upper
82 100
95 0.0 6.3 9.5#
138 0.0 16.3 24.5#

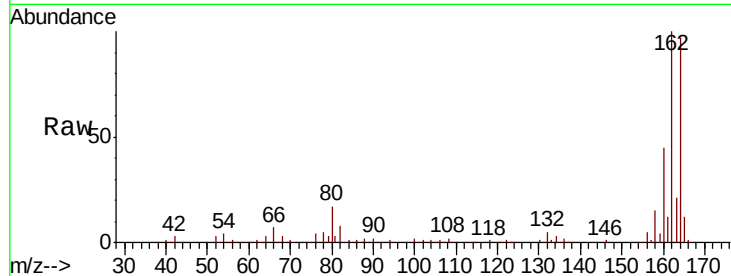




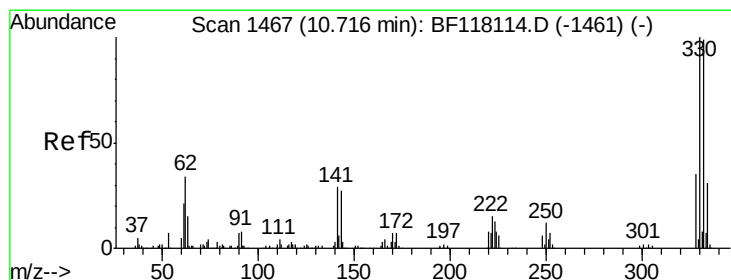
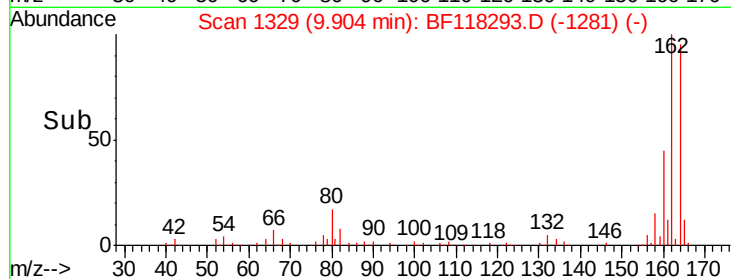
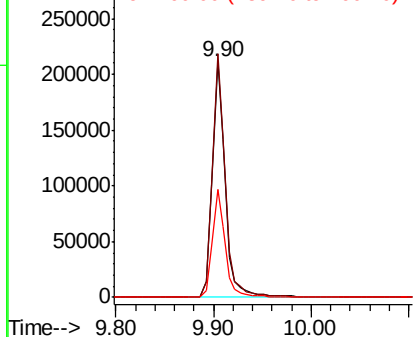
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.02 min
Lab File: BF118293.D
Acq: 19 Dec 2019 21:44

Instrument :
BNA_F
ClientSampled :

Tot Ion:164 Resp: 194176
Ion Ratio Lower Upper
164 100
162 103.4 83.4 125.0
160 46.1 36.6 54.8

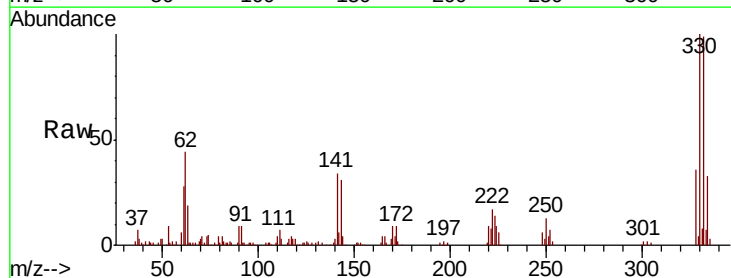


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

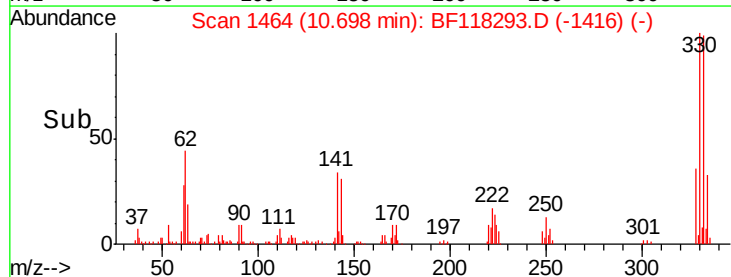
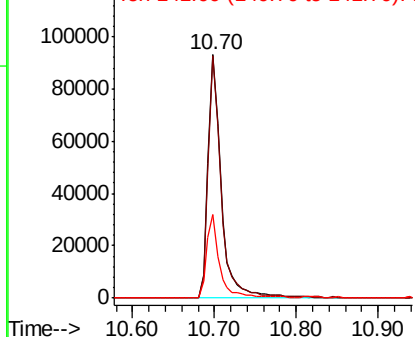


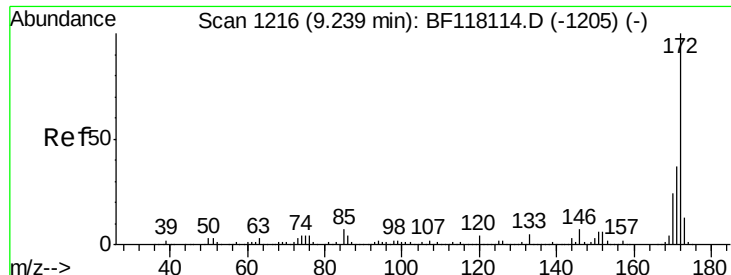
#42
2,4,6-Tribromophenol
Concen: 44.855 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.02 min
Lab File: BF118293.D
Acq: 19 Dec 2019 21:44

Tgt Ion:330 Resp: 105808
Ion Ratio Lower Upper
330 100
332 97.3 78.1 117.1
141 33.6 26.9 40.3



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

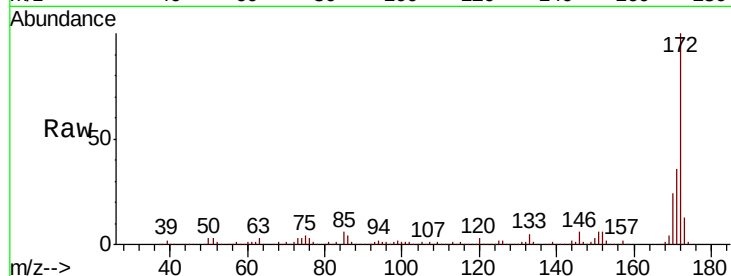




#45
2-Fluorobiphenyl
Concen: 74.093 ng
RT: 9.22 min Scan# 1213
Delta R.T. -0.02 min
Lab File: BF118293.D
Acq: 19 Dec 2019 21:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.2	43.8
170	23.6	19.4	29.2

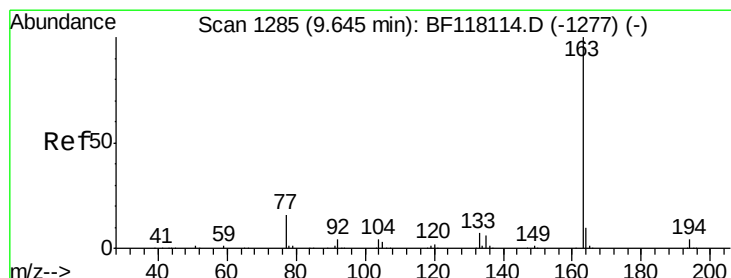
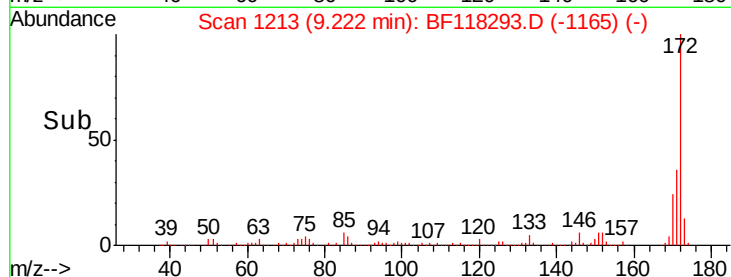
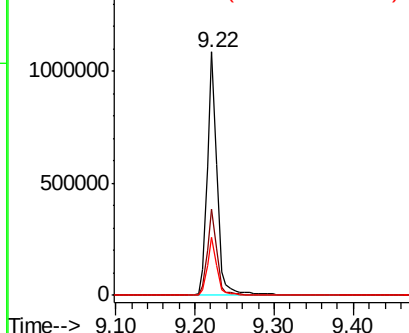


Abundance

Ion 172.00 (171.70 to 172.70): E

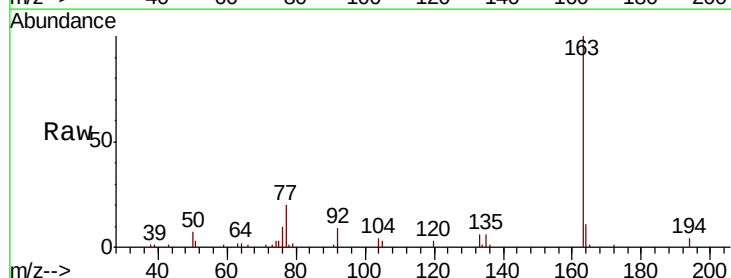
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 3.439 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BF118293.D
Acq: 19 Dec 2019 21:44

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.1	4.7
164	10.6	7.7	11.5

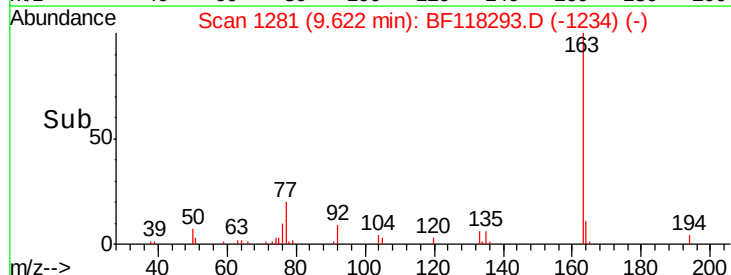
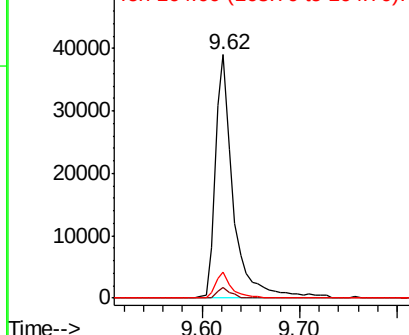


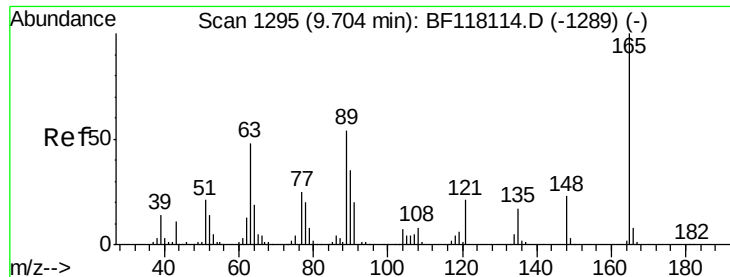
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 7.704 ng

RT: 9.90 min Scan# 1329

Delta R.T. 0.20 min

Lab File: BF118293.D

Acq: 19 Dec 2019 21:44

Instrument :

BNA_F

ClientSampleId :

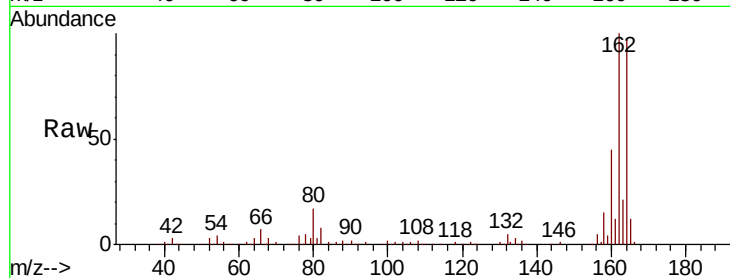
Tot Ion:165 Resp: 24027

Ion Ratio Lower Upper

165 100

63 1.3 41.4 62.0#

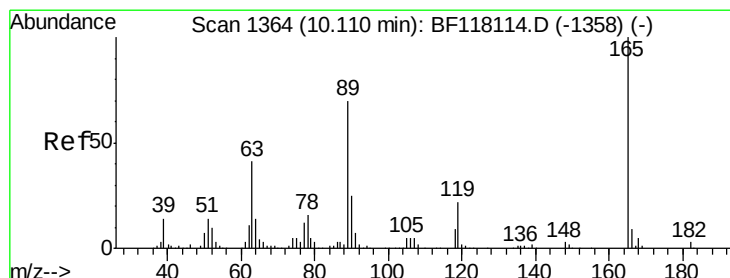
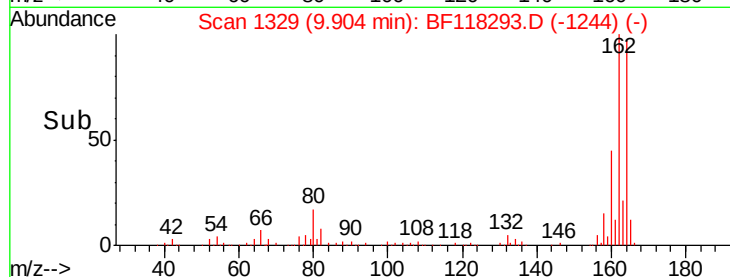
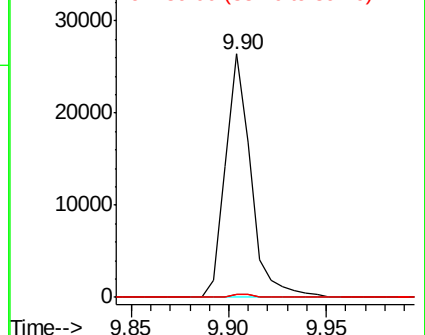
89 1.4 42.9 64.3#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#57

2,4-Dinitrotoluene

Concen: 5.772 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.21 min

Lab File: BF118293.D

Acq: 19 Dec 2019 21:44

Tgt Ion:165 Resp: 24027

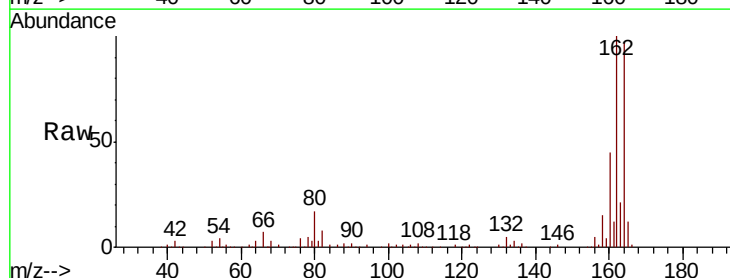
Ion Ratio Lower Upper

165 100

63 1.3 32.6 49.0#

89 1.4 56.1 84.1#

182 0.0 2.1 3.1#

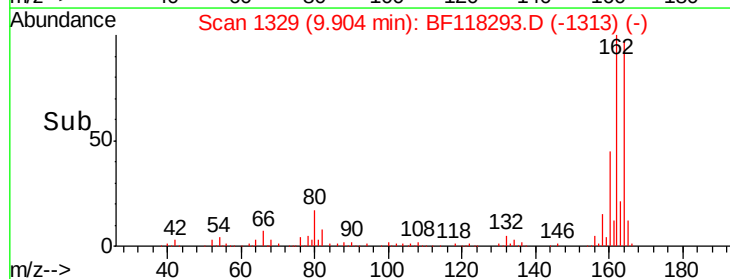
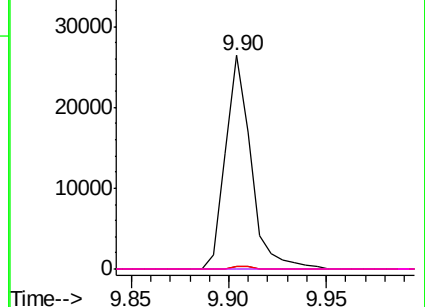


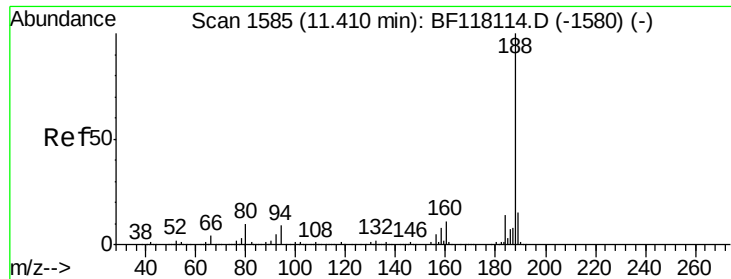
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

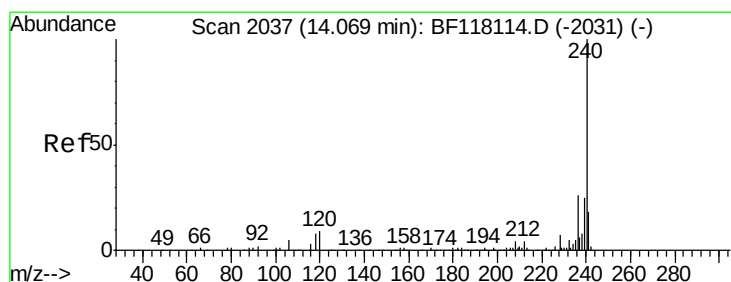
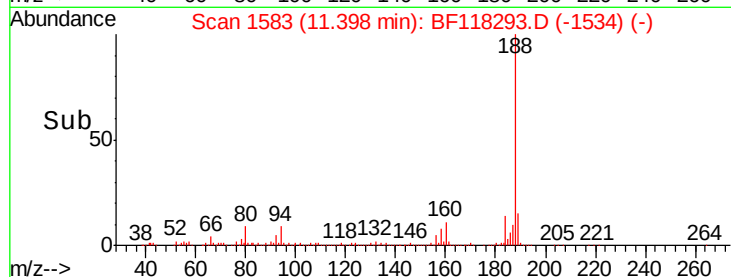
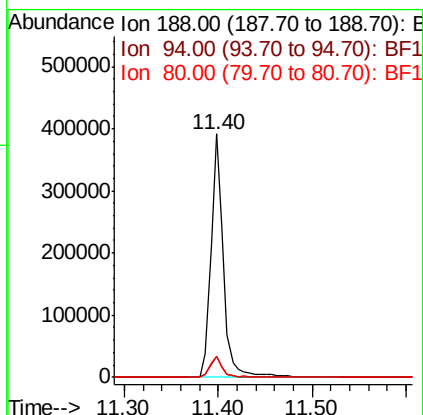
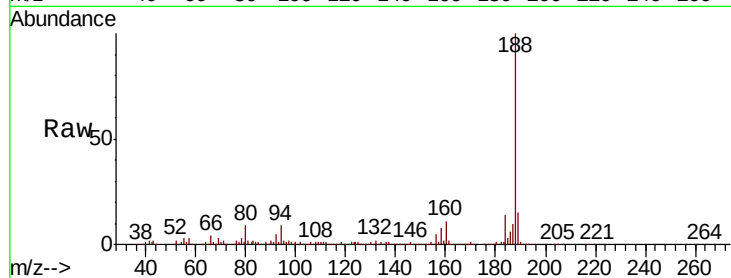




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF118293.D
Acq: 19 Dec 2019 21:44

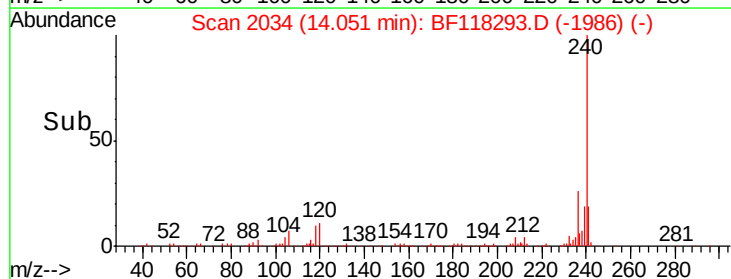
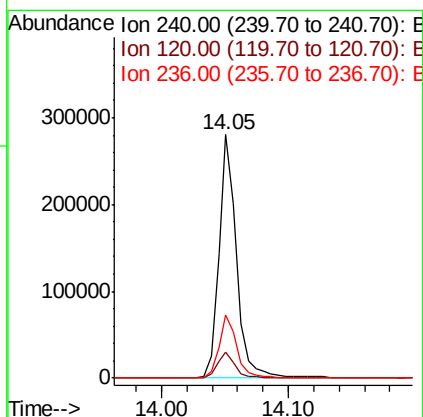
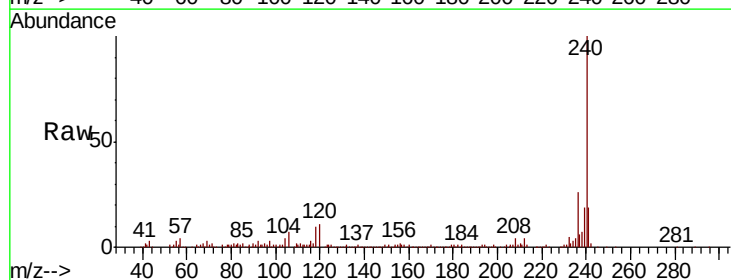
Instrument :
BNA_F
ClientSampled :

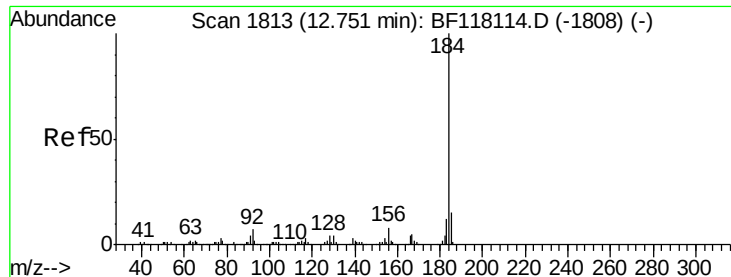
Tot Ion:188 Resp: 367890
Ion Ratio Lower Upper
188 100
94 8.8 7.1 10.7
80 8.8 7.9 11.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.02 min
Lab File: BF118293.D
Acq: 19 Dec 2019 21:44

Tgt Ion:240 Resp: 273274
Ion Ratio Lower Upper
240 100
120 10.9 7.1 10.7#
236 26.0 21.0 31.6





#77

Benzidine

Concen: 2.252 ng

RT: 12.99 min Scan# 1854

Delta R.T. 0.24 min

Lab File: BF118293.D

Acq: 19 Dec 2019 21:44

Instrument :

BNA_F

ClientSampleId :

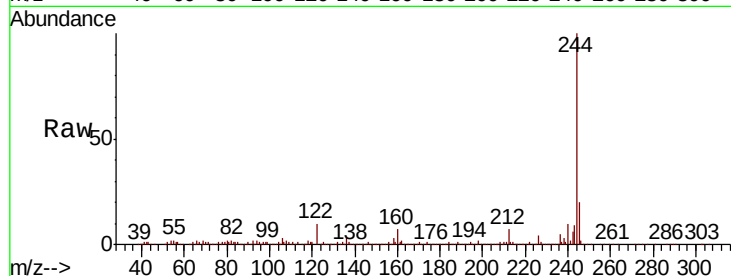
Tot Ion:184 Resp: 16201

Ion Ratio Lower Upper

184 100

185 18.3 12.3 18.5

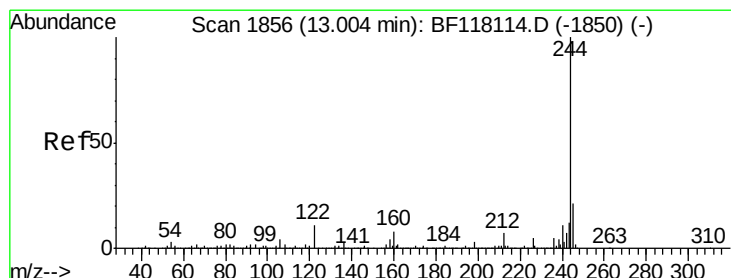
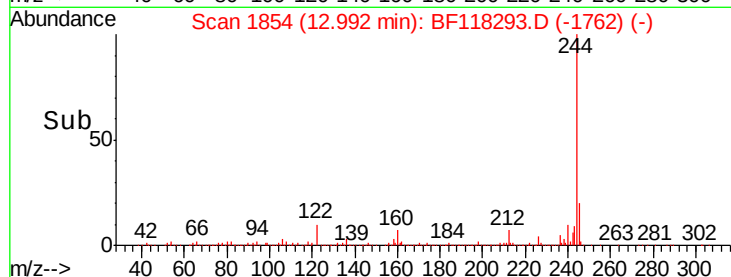
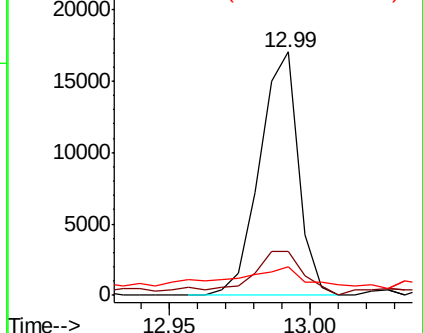
183 11.7 9.9 14.9



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 73.656 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF118293.D

Acq: 19 Dec 2019 21:44

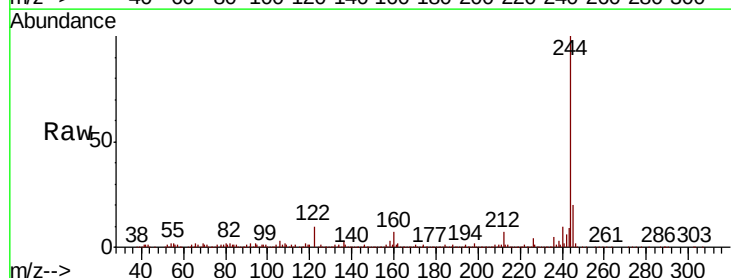
Tgt Ion:244 Resp: 1170497

Ion Ratio Lower Upper

244 100

212 6.9 5.9 8.9

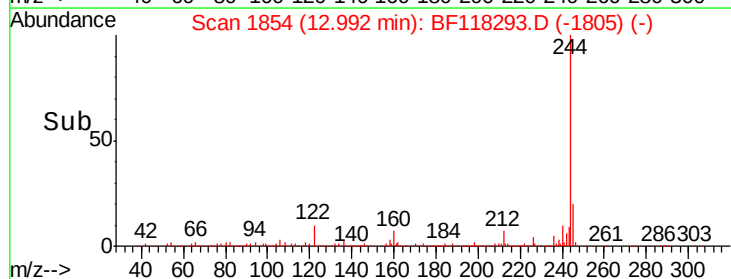
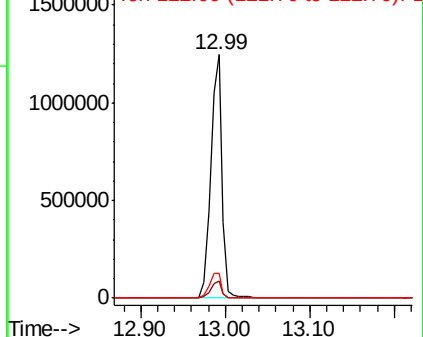
122 10.0 9.0 13.6

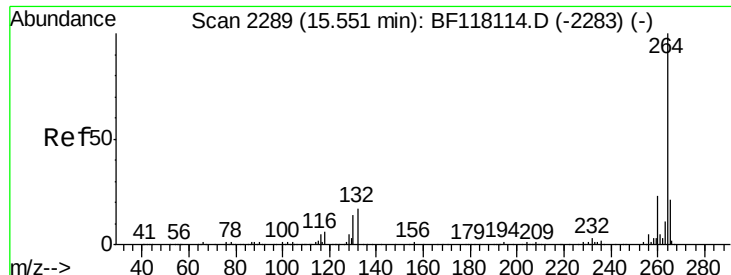


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2287
Delta R.T. -0.01 min
Lab File: BF118293.D
Acq: 19 Dec 2019 21:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	28.0
265	20.5	16.8	25.2

